

**IN THE CLAIMS**

Please amend the claims as follows:

- 1-15. (Canceled)
16. (Original) An OLAP query generation engine, comprising:  
a query object model, the query object model including a data structure which models an OLAP query; and  
a programming interface for generating an OLAP query statement from the query object model according to a structured query format specified by the query object model.
17. (Original) The engine of claim 16, wherein the data structure models the OLAP query in an abstract form that is compatible with a plurality of different OLAP structured query formats.
18. (Original) The engine of claim 16, wherein the data structure models the OLAP query in a form different from the implementation of underlying OLAP servers.
19. (Original) The engine of claim 16, wherein the programming interface is also for maintaining the OLAP query statement.
20. (Original) The engine of claim 16, wherein the programming interface is also for executing the OLAP query statement.
21. (Original) The engine of claim 16, wherein the query object model is capable of specifying the MDX and the RS query formats, and the programming interface generates an MDX query statement and an RS query statement when the query object model specifies the MDX query format and the RS query format, respectively.
22. (Original) The engine of claim 16, wherein the query object model is capable of specifying first, second and third structured query formats, and the programming interface

generates the query statement using the first, second and third formats when the query object model specifies the first, second and third structured query formats, respectively.

23. (Currently Amended) An OLAP query object model for use in generating an OLAP query statement, comprising:

- a query object which defines an OLAP query in abstract form; and
- a root object including methods for transforming the query object into an OLAP query statement according to a structured query format specified by the query object.

24. (Original) The model of claim 23, wherein the query object is capable of specifying the MDX query format and the RS query format, and the root object includes methods for generating an MDX query statement and an RS query statement when the query object specifies the MDX query format and the RS query format, respectively.

25. (Original) The model of claim 23, wherein the query object is capable of specifying first, second and third structured query formats, and the root object includes methods for generating the query statement using the first, second and third structured query formats when the query object specifies the first, second and third structured query formats, respectively.

26. (Original) An OLAP query generation engine for use with an OLAP query and reporting application that supports a first OLAP server using a first structured query format and supports a second OLAP server using a second structured query format, the engine comprising:

- an object model including a data structure that models an OLAP query; and
- a programming interface for generating an OLAP query statement according to the first structured query format when the first structured query format is specified by the object model and according to the second structured query format when the second structured query format is specified.

27. (Original) The engine of claim 26, wherein the query and reporting application supports a Microsoft Analysis Services OLAP server using the MDX query format and an Hyperion

Essbase™ OLAP server using the RS query format, and the programming interface generates an MDX query statement and an RS query statement when the object model specifies the MDX query format and the RS query format, respectively.

28. (Original) The engine of claim 26, wherein the query and reporting application supports first, second and third OLAP servers using first, second and third structured query formats, and the programming interface generates the query statement using the first, second and third structured query formats when the first, second and third structured query formats are specified.

29. (Currently Amended) A method of generating an OLAP query using a query object modeled based on an OLAP query and capable of supporting a plurality of OLAP servers, each of the OLAP servers using a different structured query format, the method comprising:

determining, based upon a property of the query object, an OLAP server from among the plurality of OLAP servers; and

processing the query object to generate a query statement using the structured query format corresponding to the OLAP server determined.

30. (Original) The method of claim 29, wherein the query object supports the Microsoft Analysis Services OLAP server and Hyperion Essbase™ OLAP server, and the processing generates an MDX query statement and an RS query statement when the property indicates that the OLAP server is a Microsoft Analysis Services OLAP server and an Hyperion Essbase™ OLAP server, respectively.

31. (Original) The method of claim 29, wherein the query object supports at least three OLAP servers which each uses a different structured query format, and the processing generates the query statement using one of the at least three formats.